

### **ABSTRACT OF THE INVENTION**

The present invention is directed to a distortion free imaging device having an imaging optical system that could be utilized for example in a video camera. In particular a camera configured according to the present invention reduces or eliminates the positive or pin cushion distortion that makes figures seem fatter than they really are. The imaging device includes a photosensor that is configured entirely along the contours of the posterior focal plane of the imaging optical system. The optical system can include a single or plurality of lens and can include a mirror.